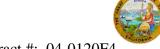
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES Office of Structural Materials Quality Assurance and Source Inspection

Bay Area Branch 690 Walnut Ave.St. 150 Vallejo, CA 94592-1133 (707) 649-5453 (707) 649-5493



Contract #: 04-0120F4

Cty: SF/ALA Rte: 80 PM: 13.2/13.9 File #: 69.28

Resident Engineer: Pursell, Gary **Report No:** WIR-011161 Address: 333 Burma Road **Date Inspected:** 29-Dec-2009

WELDING INSPECTION REPORT

City: Oakland, CA 94607

OSM Arrival Time: 700 **Project Name:** SAS Superstructure **OSM Departure Time:** 1900 **Prime Contractor:** American Bridge/Fluor Enterprises, a JV

Contractor: Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China

CWI Name: CWI Present: Yes Mr. Chen ying xin No **Inspected CWI report:** Yes N/A **Rod Oven in Use:** Yes No No N/A N/A **Electrode to specification:** Yes No Weld Procedures Followed: Yes No N/A N/A **Qualified Welders:** Yes No **Verified Joint Fit-up:** Yes No N/A N/A Yes No N/A **Approved Drawings:** Yes No **Approved WPS:** Yes No N/A **Delayed / Cancelled:**

34-0006 **Bridge No: Component:** Tower

Summary of Items Observed:

On this date Caltrans OSM Quality Assurance(QA) Inspector, Baskar Govindarajan, was present during the times noted above for observations relative to the work being performed.

Bay no. 10

1. This QA inspector, Baskar Govindarajan, observed, ZPMC qualified welding personnel identified as 040491 perform SMAW repair welding on, spare strut stiffener to web, weld joint identified as ND1-STSA3-1-99M-1-33, 34. ZPMC CWI Identified as Mr. Chen ying xin. The welding parameters as measured using QC's calibrated instruments appeared to be in general compliance with WPS-B-T-2113.

2. This QA inspector, Baskar Govindarajan, observed, ZPMC qualified welding personnel identified as 057220 perform SMAW welding on, Skirt plate, weld joint identified as ND1-A 501 E/E-36. ZPMC CWI Identified as Mr. Chen ying xin. The welding parameters as measured using QC's calibrated instruments appeared to be in general compliance with WPS-B-T-2314-b-p3.

Bay no. 11

3. This QA inspector, Baskar Govindarajan, observed, ZPMC qualified welding personnel identified as 048810 perform FCAW repair welding on, interconnecting splice plate, weld joint identified as WSD1-SPSA4-3-4A. ZPMC CWI Identified as Mr. An qing xiang. The welding parameters as measured using QC's calibrated

WELDING INSPECTION REPORT

(Continued Page 2 of 2)

instruments appeared to be in general compliance with WPS-345-FCAW-2G (2G)-Repair.

4. This QA inspector, Baskar Govindarajan, observed, ZPMC qualified welding personnel identified as 040713 perform FCAW welding on, CD corner diagonal plate, inside East tower, Lift 4, weld joint identified as ESTL4-2 B/L-7. ZPMC CWI Identified as Mr. Yu liang. The welding parameters as measured using QC's calibrated instruments appeared to be in general compliance with WPS-B-T-2332-TC-P4-F.

Magnetic Particle Testing:

This QA inspector performed Magnetic Particle Testing (MT) of approximately 15% of the area previously tested and accepted by ZPMC Quality Control personnel. This QA Inspector generated a TL-6028 MT report for this date. The member is identified as spare struts at Bay no. 10 & 11. The weld designations reviewed are as follows:

```
SD1 -A 6002 -15 - Jt. nos - 7,8,3,33,34 - Spare strut
ND1 -A 6002 -7 - Jt. nos - 23,31,32,7,8- Spare strut
ESTL4 -2 B/L – Jt. no. -59 A/B – East lift 4, AB corner
ESTL4 -2 B/L – Jt. no. -21,19 – East lift 4, BC corner triangular plate
ESTL4 -2 C/L - Jt. no. -18, 16 - East lift 4, BC corner triangular plate
```

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

Summary of Conversations:

No relevant conversations.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Serge, Sinevod - 134-8257-0045, who represents the Office of Structural Materials for your project.

Inspected By:	Baskar,Govindarajan	Quality Assurance Inspector
Reviewed By:	Clifford,William	QA Reviewer